FORM PTO-144 (REV.7-80) CLOSURE STATEMENT

(Use several sheets if necessary)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 50137.01

APPLICATION NO. 10/644,522

APPLICANT(S)

Joseph M. Jeddeloh

FILING DATE August 19, 2003 GROUP ART UNIT Not Yet Assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	<u> </u>	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
1/c	AA	5,251,303	10/05/93	Fogg, Jr. et al.	395	275	
m	AB	5,432,907	07/11/95	Picazo, Jr. et al.	395	200	
. ~	AC	5,442,770	08/15/95	Barratt	395	403	
N	AD	5,497,476	03/05/96	Oldfield et al.	395	439	
N	AE	5,659,798	08/19/97	Blumrich et al.	395	846	
N	AF	5,875,352	02/23/99	Gentry et al.	395	843	
N	AG	6,061,263	05/09/00	Boaz et al.	365	51	
1	АН	6,073,190	06/06/00	Rooney	710	56	
N	AI	6,105,075	08/15/00	Ghaffari	710	5	
N	LA	6,137,709	10/24/00	Boaz et al.	365	51	
v	AK	6,144,587	11/07/00	Yoshida	365	189.05	
~	AL	6,167,465	12/26/00	Parvin et al.	710	22	
· N	АМ	6,167,486	12/26/00	Lee et al.	711	120	
	AN	6,201,724 B1	03/13/01	Ishizaki et al.	365	49	
<i>, , , , , , , , , ,</i>	AO	6,233,376 B1	05/15/01	Updegrove	385	14	
11	АР	6,243,769 B1	06/05/01	Rooney	710	56	
N	AQ	6,285,349 B1	09/04/01	Smith	345	147	
N	AR	6,301,637 B1	10/09/01	Krull et al.	711	112	
N	AS	6,327,642 B1	12/04/01	Lee et al.	711	120	
N	АТ	6,330,205 B2	12/11/01	Shimizu et al.	365	230.06	
N	ΑU	6,347,055 B1	02/12/02	Motomura	365	189.05	
1	AV	6,349,363 B2	02/19/02	Cai et al.	711	129	
	AW	6,356,573 B1	03/12/02	Jonsson et al.	372	46	
1.	AX	6,367,074 B1	04/02/02	Bates et al.	717	11	

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Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-1 49 (REV.7-80) SCLOSURE STATEMENT

(Use several sheets if necessary)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 50137.01

APPLICATION NO. 10/644,522

APPLICANT(S)

Joseph M. Jeddeloh

FILING DATE

GROUP ART UNIT Not Yet Assigned

August 19, 2003 U.S. PATENT DOCUMENTS SUBCLASS FILING DATE CLASS •EXAMINER DOCUMENT NUMBER DATE NAME INITIAL IF APPROPRIATE Suzuki 365 230.03 6,373,777 B1 04/16/02 ΑY 365 230.03 ΑZ 6,381,190 B1 04/30/02 Shinkai 710 22 07/16/02 Morrison et al. 6,421,744 B1 BA 710 39 6,434,639 B1 08/13/02 Haghighi 370 389 10/08/02 Movshovich et al. 6,463,059 B1 10/22/02 Cai et al. 711 129 6,470,422 B2 711 104 6,473,828 B1 10/29/02 Matsui . BE 5 Leddige et al. 711 6,477,614 B1 11/05/02 BF 711 120 6,477,621 B1 11/05/02 Lee et al. BG I 711 163 вн 6,496,909 В1 12/17/02 Schimmel 6,505,287 B2 01/07/03 Uematsu 711 170 ВI 713 401 6,539,490 B1 03/25/03 Forbes et al. BJ 326 30 04/22/03 Forbes et al. вк | 6,552,564 В1 5 711 6,587,912 B2 07/01/03 Leddige et al. BL. 31 710 6,594,713 B1 07/15/03 Fuoco et al. вм 2002/0112119 A1 08/15/02 Halbert et al. 711 115 BN 359 109 2003/0043426 A1 03/06/03 Baker et al. во FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER COUNTRY CLASS SUBCLASS TRANSLATION DATE YES NO ВP

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Micron Technology, Inc., "Synchronous DRAM Module 512MB/1GB (x72, ECC) 168-PIN Registered FBGA SDRAM DIMM, Micron Technology, Inc., 2002, pp. 1-23.

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1	. AA	5,818,844	10/06/98	Singh et a	l.	370	463		
N	AB	6,272,609 B1	08/07/01	Jeddeloh		711	169		
N	AC	6,462,978 B2	10/08/02	Shibata et	al.	365	63		
/	AD	6,477,592 B1	11/05/02	Chen et al	l	710	52		
/	ΑE	6,523,092 B1	02/18/03	Fanning		711	134		
	AF	6,523,093 B1	02/18/03	Bogin et a	ıl	711	137		
	AG	6,622,227 B2	09/16/03	Zumkehr	et al.	711	167		
~~	АН	6,631,440 B2	10/07/03	Jenne et a	1.	711	105		
	Al	2002/0144064 A1	10/03/02	Fanning		711	144		
	AJ	2003/0005223 A1	01/02/03	Coulson e	et al.	711	118		
//	AK	2003/0229770 A1	12/11/03	Jeddeloh		711	213		
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Intel, "Intel 840 Chipset: 82840 Memory Controller Hub (MCH), Datasheet, October 1

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ATTY. DOCKET NO. 501307.01

application no. 10/644,522

INFORMATION DISCEUSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)
Joseph M. Jeddeloh

FILING DATE

GROUP ART UNIT 2818

August 19, 2003 **U.S. PATENT DOCUMENTS** CLASS SUBCLASS FILING DATE *EXAMINER DOCUMENT NUMBER DATE NAME INITIAL IF APPROPRIATE 365 63 6,462,978 B2 10/08/02 Shibata et al. AB AC ΑD ΑE ΑF AG ΑH ΑĪ ΑJ FOREIGN PATENT DOCUMENTS TRANSLATION CLASS SUBCLASS DOCUMENT NUMBER COUNTRY YES NO ΑK AL AM AN AO OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) ΑP AQ DATE CONSIDERED **EXAMINER** Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in * EXAMINER:

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Ja	AA	5,544,319	08/06/96	Acton et a	1.	395	200.07		
Je	AB	5,822,255	10/13/98	Uchida		365	194		
1	AC	6,033,951	03/07/00	Chao		438	253		
	AD	6,079,008	06/20/00	Clery, III		712	11		
N	ΑE	6,392,653 B1	05/21/02	Malandair	et al.	345	501		
1	AF	6,636,110 B1	10/21/03	Ooishi et a	al.	327	565		
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. AF 501307.01 10

APPLICATION NO. 10/644,522

INFORMATION DISTLOSURE STATEMENT

APPLICANT(S)
Joseph M. Jeddeloh

FILING DATE

GROUP ART UNIT 2818

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N	AA	4,045,781	08/30/77	Levy et al	•	364	200		
N	AB	5,479,370	12/26/95	Furuyama	et al.	365	189.12		
	AC	5,729,709	03/17/98	Harness		395	405		
N	AD	5,875,454	02/23/99	Craft et al		711	113		
N	AE	6,186,400 B1	02/13/01	Dvorkis e	t al.	235	462.45		
N	AF	6,243,831 B1	06/05/01	Mustafa e	t al.	714	24		
	AG	6,256,692 B1	07/03/01	Yoda et a	1.	710	104		
1	АН	6,438,668 B1	08/20/02	Esfahani (et al.	711	165		
	Al	6,681,292 B2	01/20/04	Creta et a	1.	711	119		
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FORM PTO-1449 (REV.7-80))		.S. DEPARTMENT		ATTY. DOCKET NO. 501307.01			CATION NO. 544,522		
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M	AA	4,953,930	09/04/90	Ramsey et	t al.	350		96.11		
fr	AB	5,987,196	11/16/99	Noble		385		14		
N	AC	6,031,241	02/29/00	Silfvast et	al.	250		504 R		
N	AD	6,134,624	10/17/00	Burns et a	1.	710		131		
N	AE	6,715,018 B2	03/30/04	Farnworth	et al.	710		300		
N	AF	6,811,320 B1	11/02/04	Abbott		385		58		
~	AG	6,821,029 B1	11/23/04	Grung et a	al.	385		92		
	AH	2004/0126115 A1	07/01/04	Levy et al	•	398		116		
N	AJ	2004/0144994 A1	07/29/04	Lee et al.		257		200		
	ΑJ	2005/0071542 A1	03/31/05	Weber et	al.	711		105		
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U.S. DEPARTMENT ON OMMERCE PATENT AND TRADEM OF OFFICE

ATTY. DOCKET NO. 501307.01

APPLICATION NO. 10/644,522

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APPLICANT(S) Joseph M. Jeddeloh

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GROUP ART UNIT 2818

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	AA	6,845,409 B1	01/18/05	Talagala et al.	710	20		
1	AB	2003/0149809 A1	08/07/03	Jensen et al.	710	22		
	AC	2004/0236885 A1	11/25/04	Fredriksson et al.	710	100		
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FORM P10-1449 (REV.7-80) JUL 1 8 2005

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 501307.01

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MATION DISCLOSURE STATEMENT

Joseph M. Jeddeloh

August 19, 2003

FILING DATE

APPLICANT(S)

GROUP ART UNIT 2818

U.S. PATENT DOCUMENTS **SUBCLASS** DOCUMENT NUMBER NAME CLASS FILING DATE *EXAMINER INITIAL IF APPROPRIATE Jewett et al. 395 575 5,327,553 07/05/94 49 365 01/06/98 Srinivasan et al. 5,706,224 AΒ 711 167 10/10/00 Lu et al. 6,131,149 AC 26 710 04/17/01 Diehl et al. 6,219,725 B1 AD 711 151 Chin et al. 09/04/01 ΑE 6,286,083 B1 711 147 Pham et al. 12/10/02 6,493,803 B1 ΑF 713 322 Cheung et al. 6,564,329 B1 05/13/03 AG 365 49 12/16/03 Lindahl et al. 6,665,202 B2 ΑH 5 711 03/04/04 Ryan 2004/0044833 A1 Αl 147 711 Howard et al. 2005/0044327 A1 02/24/05 FOREIGN PATENT DOCUMENTS SUBCLASS TRANSLATION COUNTRY CLASS DOCUMENT NUMBER YES NO ΑK AL AM AN OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) ΑP AQ DATE CONSIDERED **EXAMINER** Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in * EXAMINER: conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO 449 (P£V.7-80)			S. DEPARTMENT		ATTY, DOCKET NO. 501307.01			CATION NO. 544,522		
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1	AA	4,608,702	08/26/86	Hirzel et a	ıl	375		110		
	AB	4,891,808	01/02/90	Williams		370		112		
	AC	5,748,616	05/05/98	Riley		370		242		
	AD	6,208,180 B1	03/27/01	Fisch et al	•	327		141		
	AE	6,889,304 B2	05/03/05	Perego et	al	711		170		
/	AF	6,910,109 B2	06/21/05	Holman e	t al.	711		156		
	AG	2003/0217223 A1	11/20/03	Nino, Jr. 6	et al.	711		105		
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N	AA	5,274,584	12/28/93	Henderson	n et al.	365	İ	64		
N	AB	5,450,578	09/12/95	Mackenth	un	395	,	182.02		
	AC	5,619,676	04/08/97	Fukuda et	al.					
	AD	6,067,262	05/23/00	Irrinki et a	al.	365		201		
1	AE	6,246,618 B1	06/12/01	Yamamot	o et al.	365		200		
~	AF	6,970,968 B1	11/29/05	Holman		711		5		
~	AG	2002/0089925 A1	07/11/02	Smith et a	1.	370		216		
	АН	2003/0056038 A1	03/20/03	Cochran		710		36		
	Αl	2004/0123043 A1	06/24/04	Rotithor e	t al.	711		137		
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DEPARTMENT OF COMMERCE

ATTY. DOCKET NO. 501307.01

FILING DATE

APPLICATION NO. 10/644,522

INFORMATION DISCLOSUSE STATEMENT

APPLICANT(S) Joseph M. Jeddeloh

August 19, 2003

GROUP ART UNIT 2818

U.S. PATENT DOCUMENTS

				PATENT DOCUMENTS NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
*EXAMINER		DOCUMENT NUMBER	DATE			200	IF AT NO. 14
INITIAL	AA	4,240,143	12/16/80	Besemer et al.	364		
	AB	4,245,306	01/13/81	Besemer et al.	364	200	
\	AC	4,253,144	02/24/81	Bellamy et al.	364	200	
-n	AD	4,253,146	02/24/81	Bellamy et al.	364	200	
/_/	1-	4,707,823	11/17/87	Holdren et al.	370	1	
	AE	4,724,520	02/09/88	Athanas et al.	364	200	-
1	AF	4 020 129	05/29/90	Suzuki et al.	371	12	
1	AG	5 241 506	08/31/93	Motegi et al.	365	210	
-	AH	5,243,703	09/07/93	Farmwald et al.	395	325	
	Al	5 260 022	12/07/93	Shinjo et al.	395	700	
	- AJ	7.017.753	05/31/94	Jewett et al.	395	750	
-	AI		06/07/94	Farmwald et al.	395	325	
	A		10/11/94		375	36	
	A	м 5,355,391	07/11/95		375	356	
/	<u> </u>	N 5,432,823	10/24/95		370	95.2	
4		5,461,627	11/07/95		345	477	
	4	AP 5,465,229	03/26/96	1 - 1 - 1 - 1	361	760	
_	4	AQ 5,502,621	10/15/96	1	395	494	
	\Rightarrow	AR 5,566,325	11/19/90		395	416	
	4	AS 5,577,220	12/03/9		395	800	
7	4	AT 5,581,767	02/25/9		395	856	
~		AU 5,606,717	06/10/9		365	230.0)3
		AV 5,638,334			395	652	
_		AW 5,715,456	02/03/9		711	5	
1		AX 5,819,304	10/06/9	oo Whittaker	395	471	
EVA		AY 5,832,250	11/03/	DATE CONS	SIDERED /-	200	_

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* EXAMINER:

Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY, DOCKET NO. 501307.01 APPLICATION NO. 10/644,522

INFORMATION DISCLOSURE STATEMENT

APPLICANT(S)

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EXAMINER	_	DOCUMENT NUMBER	DATE		NAME	CL	ASS	SUBCLASS	IF APPROPRIATE
INITIAL			07/27/99	Farmwal	d et al.	710		104	
	AZ	5,928,343	10/12/99	Ryan		711		105	
	ВА	5,966,724	10/12/99	Schoenfe	eld et al.	361		813	
/	BB	5,973,935	10/26/99		sheim et al.	36	5	52	
1	вС	5,973,951	11/02/99	Rebane		39	5	200.49	
	BD	5,978,567	02/08/00	Saksena		70	9	219	ļ
	BE	6,023,726	02/08/00	Keeth		71	3	400	
	BF	6,029,250	05/09/00	- 	o, Jr. et al.	36	55	233	
	BG	6,061,296	06/13/00	Welker		71	1	104	
~	ВН		08/01/00			7	11	162	-
N	ВІ	6,098,158	09/26/00			7	11	154	
	BJ	6,125,431	01/16/01	_	ck et al.	3	70	423	
	BK					3	85	114	
~	BI					3	33	17.3	
1	B				ie		711	216	
	В	C 240 902 B1			rdson et al.		709	200	
	+	C 204 037 B1		- 0	s et al.		327	158	
1	+	(270 060 P					365	196	
-	十				eloh		713	401	
-	十	C 405 290 B		2 Ryan			711	105	_
-	_†	C 420 606 B			h		713	503	
1 N	_	BU 6,434,696 B			3		713	2	
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1	=	BW 6,438,622 F		02 Hag	highi et al.		710	1 212	
~	\Rightarrow	BX 6,449,308 I		02 Kni	ght, Jr. et al. DATE CONSI	DERED	375	212	2006
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Sheet 3 of 5 APPLICATION NO. ATTY. DOCKET NO. U.S. DEPARTMENT OF COMMERCE 10/644,522 501307.01 PATENT AND TRADEMARK OFFICE FORM PTO-1449 (REV.7-80) APPLICANT(S) Joseph M. Jeddeloh INFORMATION DISCLOSURE STATEMENT GROUP ART UNIT FILING DATE (Use several sheets if necessary) 2818 August 19, 2003 U.S. PATENT DOCUMENTS FILING DATE SUBCLASS CLASS IF APPROPRIATE NAME DATE DOCUMENT NUMBER •EXAMINER 154 INITIAL 711 Holman et al. 09/17/02 6,453,393 B1 109 438 Kawata et al. 11/12/02 6,479,322 B2 63 ΒZ 365 Nuxoll et al. 12/03/02 6,490,188 B2 424 CA 345 Venkataraman et al. 12/31/02 6,501,471 B1 313 СВ 710 Willke, II et al. 07/15/03 6,594,722 B1 237 CC 712 Vaid et al. 07/22/03 6,598,154 B1 154 CD 711 Mailloux et al. 09/02/03 6,615,325 B2 568 CE 345 Sadowsky et al. 09/30/03 6,628,294 B1 CF 158 711 Dyer 09/30/03 6,629,220 B1 194 CG 365 Moss et al. 11/11/03 6,646,929 B1 100 CH 710 Bonella et al. 12/02/03 6,658,509 B1 400 CI 713 Keeth et al. 12/09/03 6,662,304 B2 63 Cl 365 Jang et al. 12/23/03 6,667,895 B2 167 CK 711

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APPLICATION NO. ATTY. DOCKET NO. 10/644,522 501307.01 APPLICANT(S)

INFORMATION DISCLOSURE STATEMENT

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Joseph M. Jeddeloh GROUP ART UNIT FILING DATE August 19, 2003 2818

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INITIAL	-+		08/03/04	Shukuri et al.		365	185.05	
1	cx	6,771,538 B2		Venkatraman		711	137	
	CY	6,775,747 B2	08/10/04	Tanaka et al.		711	147	
	cz	6,789,173 B1	09/07/04	Yuan et al.		375	354	
	DA	6,792,059 B2	09/14/04	Aboulenein e	et al	710	306	
	DB	6,792,496 B2	09/14/04		, (41.	711	137	
7/	DC	6,795,899 B2	09/21/04	Dodd et al.		711	117	
~	DD	6,799,246 B1	09/28/04	Wise et al.		712	228	
a	DE	6,799,268 B1	09/28/04	Boggs et al.		711	170	
	DF	6,804,760 B2	10/12/04	Wiliams		711	170	
	DG	6,804,764 B2	10/12/04	LaBerge et a	al	713	2	
1	DH	6,807,630 B2	10/19/04	Lay et al.			151	
-	DI	6016047 P1	11/09/04	Huffman		711	169	_
1	DJ	6 000 191 P2	11/16/04	Jeddeloh et	al.	711		
	DI	c 222 022 P1		Hannah		375	296	-
-	D	2001/00/2001/2 A		Lee		713	2	
1			- 10 - 10 /	Beckert et	al.	711	161	
1	$\neg \vdash$			3 Wasserman	n et al.	345	545	
	-	2222/0002620		Richard et	al	711	154	
1	-+-	2222/21/21/10			1.	711	146	
1		OP 2003/0163649				711	158	
1	<u> </u>	oQ 2003/0177320				370	351	
	_+	DR 2003/0193927			shnan et al.	365	200	
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